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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,807	12/07/2001	Paul Michael Fennessy	6902	3923

7590 09/16/2003
SHLESINGER, ARKWRIGHT & GARVEY LLP
3000 South Eads Street
Arlington, VA 22202

EXAMINER

SHAKERI, HADI

ART UNIT	PAPER NUMBER
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3723

DATE MAILED: 09/16/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/051,807

Applicant(s)

FENNESSY, PAUL MICHAEL *Ch*

Examiner

Hadi Shakeri

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 December 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 02. 6) ☐ Other: .

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Group II, claims 4-10 in Paper No. 04 is acknowledged, however, because of the newly added claims linking the two inventions, the restriction requirement imposed is withdrawn.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "blasting medium supply unit comprising two tanks" and "switching valve for the two tanks" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of insufficient disclosure to support the claimed subject matter as recited in claims 4-15.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 4-15 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for a blasting medium recovery unit comprising at least two tanks (40) (50), does not reasonably provide enablement for a blasting medium supply unit

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comprising at least two tanks. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims. Specification discloses and describes blasting medium recovery cylinders (40) (50) having a switching valve (60) so that recovered medium recovered by the recovery hose (30) may be directed to either of the tanks (40) or (50) by switching between the pipe 62 and 64, respectively, sufficient to support part of subject matter as recited in claims 6 and 13, however, the specification is insufficient to support the subject matter as recited in the parent claims, 4 and 13 and subsequently in the narrow claims 5 and 12, i.e., a blasting medium supply unit comprising at least two tanks and a switching valve for alternately supplying blasting medium from each tanks. On page 3, it is noted that one cylinder of the double cylinder may serve as a recirculating cylinder for use and the other cylinder may be a recovery cylinder for use, however, Examiner is unable to find the support for the claimed subject matter as recited in claims 4-15. In fact, page5, lines 7-25, and Figs. 1 and 2 show a supply tube (26) connected to one of the cylinders, (40) and there no disclosure indicating a switching assembly connected to tube (26) to enable supplying the medium from each of the least two tanks alternatively.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Maurer et al., US Patent No. 2,643,456.

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Maurer et al. discloses all the limitations of claim 1, i.e., a blasting device comprising a blasting medium supply unit, not shown, col. 3, lines 38-41, a blasting gun (40) having an extension (42) including a sufficiently clear portion, e.g., transparent, col. 5, line 54.

Regarding claims 2 and 3, embodiments wherein the extension is made of hard glass, meets the limitations of a clear and colorless pipe, col. 5, lines 55-68.

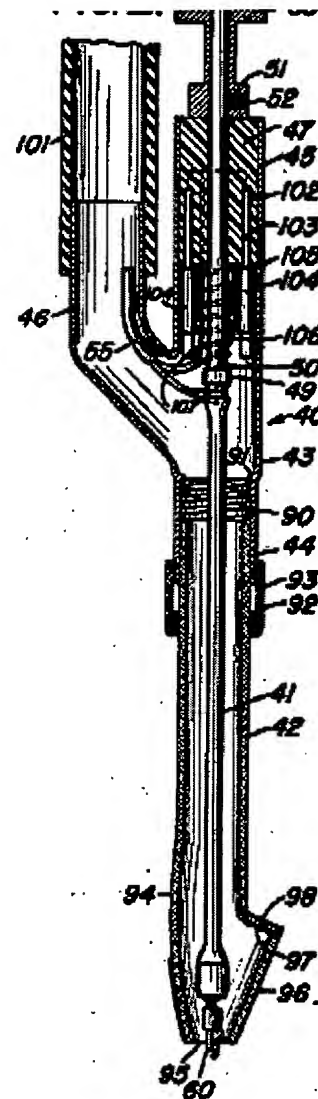
Conclusion

8. Prior art made of record and not relied upon are considered pertinent to applicant's disclosure. Hutchison, and Goldsmith et al. are cited to show related inventions.

9. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Hadi Shakeri at (703) 308-6279, FAX (703) 746-3279 for unofficial documents. The examiner can normally be reached on Monday-Thursday, 7:30 AM to 6:00 PM.

All official documents may be faxed to (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist at (703) 308-1148.



Hadi Shakeri
Hadi Shakeri

Patent Examiner

August 20, 2003